|                                     | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT         |  |  |  |  |
|-------------------------------------|---|--|--|--|--|
| Data Set                            | Parameters/Use Goals  | Organization/Contact   | QA/QC Review   | Comments   |  |
| Citizen Monitoring Pro              | grams   |  |  |  |  |
| Ambient Water Quality<br>Monitoring | ALUS – Dissolved Oxygen, pH, Salinity, Temperature, Turbidity             | Alliance for the Chesapeake Bay  Anna Mathis 804-775-0951  www.acb-online.org  | QA/QC review by DEQ James Beckley 804-698-4025.  Dissolved oxygen and temperature data collected using EPA protocols are acceptable for assessment use.  Dissolved oxygen and pH results not following EPA protocols are acceptable for assessment for water quality as VA Category 3C or 3D.  Data for Secchi depth, and salinity not used for assessment due to no state water quality standard. | Reference February 12, 2004 letter to Alliance for the Chesapeake Bay.  67 stations with 2,443 sample events over the six year assessment window.                  |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen, pH, Temperature, pH SWIM-Fecal Bacteria           | Blackwater Nottoway Riverkeeper  Jeff Turner 757-562-5173  www.blackwaternottoway.com                                    | QA/QC review by DEQ James Beckley 804-698-4025.  Dissolved oxygen, E. coli, pH, and Temperature were used for assessment of water quality as VA Category 3C or 3D  | Reference letter February 11, 2010 to Jeff Turner.  10 stations with 189 sample events collected from January 2007 to December 2012.                               |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen,<br>Nutrients, pH,<br>Temperature<br>SWIM- E. coli | Chesapeake Beach Civic League  Jackie Weitzel www.cxbcivicleague.org/  | QA/QC review by DEQ James Beckley<br>804-698-4025<br>Sampling occurs on privately owned<br>lakes and not included in the assessment  | 14 stations with 180 sampling events collected from April 2010 to December 2012.   |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen,<br>pH, Temperature<br>SWIM- Fecal Bacteria        | Chesterfield WaterTrends/ Friends of Chesterfield's Riverfront  Lorne Field 804-748-1920  www.chesterfieldriverfront.org | QA/QC review by DEQ James Beckley, 804-698-4025.  E. coli, dissolved oxygen, pH, and temperature data is suitable to assess water quality as VA Category 3C or 3D.   | Reference letter of February 11, 2010 to Friends of Chesterfield Riverfronts 47 stations with 1,803 sample events collected during the six year assessment window. |  |

|                                     | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT  |  |   |   |  |
|-------------------------------------|--|--|---|---|--|
| Data Set                            | Parameters/Use Goals   | Organization/Contact   | QA/QC Review  | Comments  |  |
| Ambient Water Quality<br>Monitoring | SWIM – E. coli   | Clean Virginia Waterways/<br>Longwood University   | QA/QC review by DEQ James Beckley<br>804-698-4025   | 21 stations with 726 sample events over the six year assessment window.   |  |
|                                     |  | Katie Register- CVW<br>434-395-2602<br>David Buckalew- Longwood<br>434-395-2586<br>www.longwood.edu/cleanva                      | E. coli data collected using EPA protocols are acceptable for assessment use.   |   |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen, pH, Temperature                            | Coast Guard Auxiliary Flotilla<br>33   | QA/QC review by DEQ James Beckley<br>804-698-4025   | 7 stations sampled with 49 sampling events from August to October 2012  |  |
|                                     |  | Brian McArdle  http://flotilla33.org/  | Follows DEQ procedures to calibrate and operate field sonde equipment.  |   |  |
| Ambient Water Quality<br>Monitoring | SWIM – E. coli   | Cowpasture River Preservation Association  | 804-698-4025.   | 23 stations with 400 sample events from January 2007 to December 2012   |  |
|                                     |  | Polly Newlon<br>540-474-2858<br>http://cowpastureriver.org/  | E. coli used for assessment of water quality as VA Category 3C or 3D  |   |  |
| Ambient Water Quality<br>Monitoring | ALUS- Temperature SWIM- E. coli                                    | Cubitt Creek Monitors  | QA/QC review by DEQ James Beckley,<br>804-698-4025.  E. coli used for assessment of water<br>quality as VA Category 3C or 3D                            | 10 stations with 70 sample events from March to September 2009  |  |
| Ambient Estuary<br>Monitoring       | ALUS- Dissolved Oxygen,<br>pH, Temperature<br>SWIM- Fecal Bacteria | Dividing Creek Association  Skip Kramb <a href="http://dividing-creek-association.com">http://dividing-creek-association.com</a> | QA/QC review by DEQ James Beckley,<br>804-698-4025.  Dissolved oxygen, pH, temperature data<br>using EPA protocols is acceptable for<br>assessment use. | Reference letter of February 11, 2010 to Skip Kramb.  52 stations with 1193 sample events collected from March 2008 to December 2012. |  |
|                                     |  |  | E. coli Coliscan Easygel™ data is<br>suitable to assess water quality as VA<br>Category 3C or 3D.   |   |  |

|                                     | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |   |  |  |  |
|-------------------------------------|---|---|--|--|--|
| Data Set                            | Parameters/Use Goals  | Organization/Contact                          | QA/QC Review   | Comments   |  |
| Ambient Water Quality<br>Monitoring | SWIM- Fecal Bacteria  | Fairview Beach Residents<br>Association       | QA/QC review by DEQ James Beckley<br>804-698-4025  | 69 stations with 171 sampling events from June 2011 to October 2012.                 |  |
|                                     |   | Herb Cover<br>http://www.fairviewbeach.org/   | E. coli used for assessment of water quality as VA Category 3C or 3D   |  |  |
| Ambient Water Quality<br>Monitoring | SWIM- Fecal Bacteria  | Four Creeks Monitors                          | QA/QC review by DEQ James Beckley<br>804-698-4025  | 16 stations with 193 sampling events from October 2010 to June 2012.                 |  |
|                                     |   |   | E. coli used for assessment of water quality as VA Category 3C or 3D   |  |  |
| Ambient Water Quality<br>Monitoring | SWIM- Fecal Bacteria  | Friends of Blacks Run<br>Greenway             | QA/QC review by DEQ James Beckley,<br>804-698-4025.  | Reference letter February 15, 2008 to John Reeves.                                   |  |
|                                     |   | John Reeves<br>540-433-9358                   | E. coli used for assessment of water quality as VA Category 3C or 3D   | 14 stations with 121 observations from January to December 2006.                     |  |
| Ambient Water Quality<br>Monitoring | SWIM- Enterococcus  | Friends of Norfolk Environment  John Stewart  | 804-698-4025   | 11 stations with 132 sample events collected from January to December 2010           |  |
|                                     |   | 757-623-8127                                  | Enterococcus protocol used is acceptable for assessment use.   |  |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen,<br>Nutrients, pH,<br>Temperature,         | Friends of the North Fork<br>Shenandoah River | QA/QC review by DEQ James Beckley, 804-698-4025.   | Nitrate, orthophosphate, and turbidity not assessed due to no Virginia water quality |  |
|                                     | DRINKING- Nitrate   | Leslie Mitchell-Watson<br>540-459-8550        | The methods passing QA/QC checks are acceptable for assessment for ammonia, dissolved oxygen, pH, and temperature. | standards for comparison.  Laboratory analysis                                       |  |
|                                     | SWIM- E. coli   | http://www.fnfsr.org/                         | Nitrite data only assessed for public water supply use.  | conducted by the Friends of<br>Shenandoah River.                                     |  |
|                                     |   |   |  | 8 stations with 98 sample events collected from April to December 2010               |  |

|                                     | WATER QUALI  | TY DATA SETS CONSIDERED  | FOR the 2014 305(b) ASSESSMENT   |  |
|-------------------------------------|--|--|--|--|
| Data Set                            | Parameters/Use Goals   | Organization/Contact   | QA/QC Review   | Comments   |
| Ambient Water Quality<br>Monitoring | ALUS- Temperature SWIM- E. coli  | Friends of the Russell Fork  http://forf.weebly.com/                             | QA/QC review by DEQ James Beckley,<br>804-698-4025  E. coli, and temperature data is suitable<br>to assess water quality as VA Category<br>3C or 3D.   | 19 stations with 324 sample events collected from January 2009 to July 2010.   |
| Ambient Water Quality<br>Monitoring | ALUS – Dissolved<br>Oxygen, Nutrients, pH,<br>Temperature<br>SWIM- E. coli           | Friends of the Shenandoah<br>River  Karen Andersen<br>540-665-1286  www.fosr.org | QA/QC review by DEQ James Beckley, 804-698-4025.  The methods passing QA/QC checks are acceptable for assessment for ammonia, dissolved oxygen, E. coli, pH, and temperature.  Nitrite data only assessed for public water supply use. | Nitrate, orthophosphate, and turbidity not assessed due to no Virginia water quality standards for comparison.  233 stations with 12,002 sample events collected during the six year assessment window |
| Ambient Water Quality<br>Monitoring | SWIM- E. coli  | George Mason High School  Dr. Peter Mecca 703.248.5500 ext. 3043                 | QA/QC review by DEQ James Beckley,<br>804-698-4025.  E. coli used for assessment of water<br>quality as VA Category 3C or 3D   | 4 stations with 74 sample events from February 2009 to December 2012.  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen,<br>pH, Temperature<br>SWIM- Fecal Bacteria                   | Goose Creek Association  Andrea Rosse 540-687-3073  www.goosecreek.org/          | QA/QC review by DEQ James Beckley,<br>804-698-4025.  Dissolved oxygen, E. coli pH,<br>temperature data used for assessment<br>of water quality as VA Category 3C or 3D   | Reference letter February 14, 2013 to Andrea Rosse.  21 stations with 519 sample events collected during the six year assessment window.   |
| Ambient Water Quality<br>Monitoring | ALUS – Dissolved<br>Oxygen, Nutrients, pH,<br>Temperature, Total<br>Suspended Solids | Historic Green Springs, Inc. 540-967-1099  | QA/QC review by DEQ James Beckley, 804-698-4025.  Dissolved oxygen and total phosphorus tests meeting QA/QC requirements, and temperature data are acceptable for assessment.  | Reference letter February 11, 2010 to Robin Patton.  Data for TSS and total nitrogen were not used for assessment because the state does not have water quality standards for                          |

|                                     | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT                       |  |   |  |  |
|-------------------------------------|---|--|---|--|--|
| Data Set                            | Parameters/Use Goals  | Organization/Contact   | QA/QC Review  | Comments   |  |
|                                     |   |  | Dissolved oxygen, total phosphorus data not meeting QA/QC requirements and pH data were determined acceptable for assessment of water quality as VA Category 3C or 3D.                                | comparison.  7 stations with 79 sample events collected during the six year assessment window.   |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen,   | Hoffler Creek Wildlife<br>Foundation  Ashley Morgan 757-686-8684  www.hofflercreek.org/                                | QA/QC review by DEQ James Beckley,<br>804-698-4025  Dissolved oxygen, pH, and temperature<br>data is suitable to assess water quality<br>as VA Category 3C or 3D.                                     | Secchi and salinity data not used for assessment because the state does not have water quality standards for comparison.  1 station with 72 sample events collected from January 2009 to December 2012 |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen,<br>pH, Temperature  | Isle of Wight Ruritan Club  Mitchell Norman  www.facebook.com/pages/Isle- of-Wight-Ruritan-Club                        | QA/QC review by DEQ James Beckley, 804-698-4025.  Upon review of sample collection protocols, dissolved oxygen, pH, and temperature data is suitable to assess water quality as VA Category 3C or 3D. | Reference letter February 11, 2010 to Mitchell Norman.  12 stations with 160 sample events monitored during the 6 year assessment window.  |  |
| Ambient Lake<br>Monitoring          | ALUS – Dissolved Oxygen, Nutrients, pH, Secchi Depth, Temperature SWIM – Fecal Bacteria | Lake Anna Civic Association  Ken Remmers  www.lakeannavirginia.org   | QA/QC review by DEQ James Beckley,<br>804-698-4025.  Dissolved oxygen, pH, temperature, total<br>phosphorous and E. coli data are<br>acceptable for assessment.                                       | 45 stations with 2073 sample events over the six year assessment window.   |  |
| Ambient Lake<br>Monitoring          | ALUS – Dissolved Oxygen, Nutrients, pH, Secchi Depth, Temperature SWIM – Fecal Bacteria | Lake Monticello Owners Association Catherine Neelley <a href="http://www.lmoavoice.org/">http://www.lmoavoice.org/</a> | QA/QC review by DEQ James Beckley<br>804-698-4025<br>Sampling occurs on privately owned lake<br>and not included in the assessment  | 12 stations with 316 sample events over the six year assessment window.  |  |

|                                     | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |  |  |   |  |
|-------------------------------------|---|--|--|---|--|
| Data Set                            | Parameters/Use Goals  | Organization/Contact   | QA/QC Review   | Comments  |  |
| Ambient Lake monitoring             | ALUS- Dissolved Oxygen, pH, Temperature                           | Leesville Lake Association  Michael Lobue  | QA/QC review by DEQ James Beckley, 804-698-4025.   | Reference May 2007 Quality<br>Assurance Project Plan.   |  |
|                                     | SWIM- Fecal Bacteria  | www.leesvillelake.org  | Dissolved oxygen, pH, temperature data are acceptable for assessment. E. coli Coliscan Easygel™ data is acceptable for VA Category 3C and 3D purposes. | 12 stations with 1232 sample events during the six year assessment window.                                    |  |
| Ambient Water Quality<br>Monitoring | SWIM- E. coli   | Loudoun Watershed Watch David Ward <a href="http://loudounwatershedwatch.org/">http://loudounwatershedwatch.org/</a> | E. coli used for assessment of water quality as VA Category 3C or 3D   | 14 stations with 526 sample events collected during the six year assessment window.                           |  |
| Ambient Water Quality<br>Monitoring | SWIM- Fecal Bacteria  | McClure River Restoration<br>Project<br>Noreen Fleming<br>276-926-6621   | QA/QC review by DEQ James Beckley 804-698-4025.  E. coli samples are acceptable for assessment.  | Reference letter February 15, 2008 to McClure River Restoration Project.  43 stations with 637 sample events. |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen,<br>Temperature<br>SWIM- Fecal Bacteria    | http://mrrp.weebly.com/ Nansemond River Preservation Alliance Nicholas Worth http://nansemondriverpreservat          | QA/QC review by DEQ James Beckley, 804-698-4025.  Dissolved oxygen and temperature acceptable for assessment.  | Reference September 30, 2011 QAPP.  7 stations with 84 sample events from February to December 2012           |  |
|                                     |   | ionalliance.org/   | E. coli and pH data used for assessment of water quality as VA Category 3C or 3D.  | 3000112012  |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen, pH, Temperature                           | National Committee for the<br>New River  | QA/QC review by DEQ James Beckley 804-698-4025.  | Reference letter February 11, 2010 to Courtney Wait.  |  |
|                                     | SWIM- Fecal Bacteria  | Courtney Wait 336-982-6267   | Dissolved oxygen, and temperature data are suitable for assessment.  | 38 stations with 472 sample events collected from April 2008 to December 2012.                                |  |
|                                     |   | www.ncnr.org   | E. coli and pH data suitable for VA<br>Category 3C or 3D assessment.   |   |  |

|                                     | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |  |   |  |
|-------------------------------------|---|--|---|--|
| Data Set                            | Parameters/Use Goals  | Organization/Contact   | QA/QC Review  | Comments   |
| Ambient Water Quality<br>Monitoring | SWIM- Fecal Bacteria  | Nelson County Master<br>Gardeners  | QA/QC review by DEQ James Beckley, 804-698-4025.  | 13 stations with 70 sample events collected from May to December 2008.       |
|                                     |   | www.nelsonmastergardeners.o  | quality as VA Category 3C or 3D   |  |
| Ambient Water Quality Monitoring    | ALUS- Temperature SWIM- Fecal Bacteria                            | Pebble Creek Property Owners<br>Association  | 804-698-4025.   | 4 stations with 44 sample events from July 2011 to February 2012.            |
|                                     |   | Christine Beish  | Temperature data used for assessment.   |  |
|                                     |   | www.pebblecreekpoa.com/  | E. coli used for assessment of water quality as VA Category 3C or 3D  |  |
| Ambient Water Quality Monitoring    | ALUS- pH, Temperature SWIM- E. coli                               | Phi Theta Kappa- Blue Ridge<br>Community College   | QA/QC review by DEQ James Beckley,<br>804-698-4025  | 2 stations with 36 sample<br>events from January to<br>December 2010         |
|                                     |   | Larry Rasheed (540) 453-2388   | Calibrated pH probe data acceptable for assessment. E. coli and temperature data used for assessment of water quality as VA Category 3C or 3D |  |
| Ambient Water Quality<br>Monitoring | ALUS- pH, Salinity,<br>Temperature                                | Poquoson Citizens for the Environment  | QA/QC review by DEQ James Beckley,<br>804-698-4025.   | 32 stations with 408 sample events from January 2008 to December 2012.       |
|                                     | SWIM – Fecal Bacteria   | Philip Prisco  http://poquosoncitizensfortheen   | Temperature and pH data passing calibration checks are acceptable for assessment.   |  |
|                                     |   | vironment.org/about/   | E. coli used for assessment of water quality as VA Category 3C or 3D  |  |
| Ambient Water Quality<br>Monitoring | ALUS- Benthic,<br>Dissolved Oxygen, pH,<br>Temperature            | Potomac Appalachian Trail<br>Club  | QA/QC review by DEQ James Beckley, 804-698-4025.  | 7 stations with 17 sample events collected from March 2007 to December 2008. |
|                                     |   | Robert Pickett <a href="http://potomacappalachian.org">http://potomacappalachian.org</a> | Benthic macroinvertebrate, dissolved oxygen, pH, and temperature data are suitable for VA Category 3C or 3D assessment.                       |  |

|                                     | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |  |   |  |  |
|-------------------------------------|---|--|---|--|--|
| Data Set                            | Parameters/Use Goals  | Organization/Contact                                   | QA/QC Review  | Comments   |  |
| Ambient Water Quality<br>Monitoring | SWIM- Fecal Bacteria  | Randolph Macon College  Dr. Charles Gowan 804-752-7293 | QA/QC review by DEQ James Beckley,<br>804-698-4025.  E. coli used for assessment of water                   | Reference letter February 15, 2008 to Dr. Charles Gowan.  30 stations with 226 |  |
|                                     |   |  | quality as VA Category 3C or 3D   | observations collected January to October 2006.                                |  |
| Ambient Water Quality<br>Monitoring | ALUS- Temperature   | RappFLOW   | QA/QC review by DEQ James Beckley, 804-698-4025.  | Reference letter February 15, 2008 to Beverly Hunter.                          |  |
|                                     | SWIM- Fecal Bacteria  | Beverly Hunter<br>540-937-4038                         | E. coli, temperature results were acceptable for of water quality as VA                                     | 12 stations with 24 observations collected from                                |  |
| Ambient Water Quality<br>Monitoring | SWIM- Fecal Bacteria  | Rippon Middle School                                   | Category 3C or 3D  QA/QC review by DEQ James Beckley, 804-698-4025.   | April to December 2006. 6 stations with 21 sample events from June to          |  |
|                                     |   | Rebecca Payne  | E. coli used for assessment of water quality as VA Category 3C or 3D  | December 2012.   |  |
| Ambient Water Quality<br>Monitoring | ALUS- Dissolved Oxygen, pH, Temperature                           | Riverine Chapter of the Virginia<br>Master Naturalists | QA/QC review by DEQ James Beckley, 804-698-4025.  | 6 stations with 38 observations collected from March 2009 to April 2012.       |  |
|                                     | SWIM- E. coli   | Kathleen Ogilvy www.riverinemn.org/                    | E. coli, pH, temperature, and dissolved oxygen used for assessment of water quality as VA Category 3C or 3D |  |  |
| Ambient Water Quality<br>Monitoring | ALUS- Temperature SWIM- E. coli                                   | Roanoke Valley Chapter Trout Unlimited                 | QA/QC review by DEQ James Beckley,<br>804-698-4025.   | 10 stations with 30 sampling events from December 2011                         |  |
|                                     | SVVIIVI- E. COII  | Bill Bainter   | Temperature data used for assessment.   | to January 2012  |  |
|                                     |   | http://roanoketu.org/                                  | E. coli used for assessment of water quality as VA Category 3C or 3D  |  |  |
| Ambient Water Quality Monitoring    | SWIM- Fecal Bacteria  | Rockfish Valley Foundation Peter Agelasto              | QA/QC review by DEQ James Beckley,<br>804-698-4025.   | 6 sites with 42 sample events from January to September 2007                   |  |
|                                     |   | www.rockfishvalley.org                                 | E. coli used for assessment of water quality as VA Category 3C or 3D  |  |  |

|  | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT  |  |  |  |  |
|--|--|--|--|--|--|
| Data Set                                   | Parameters/Use Goals   | Organization/Contact   | QA/QC Review   | Comments   |  |
| Ambient Water Quality<br>Monitoring        | SWIM- Fecal Bacteria   | Save Little Pimmit Run  http://savelittlepimmitrun.org   | QA/QC review by DEQ James Beckley,<br>804-698-4025.  E. coli used for assessment of water<br>quality as VA Category 3C or 3D   | 5 sites with 22 sample event from February to July 2008  |  |
| Ambient Lake<br>Monitoring                 | ALUS – Chlorophyll a,<br>Dissolved Oxygen,<br>Nutrients, pH, Secchi<br>Depth, Temperature<br>SWIM – Fecal Bacteria | Smith Mountain Lake<br>Association/ Ferrum College<br>Dr. Carolyn Thomas<br>540-365-4368<br>www.smlassociation.org | QA/QC review by DEQ James Beckley, 804-698-4025  After reviewing sample collection protocols, and lab audit, dissolved oxygen, E. coli, pH, and temperature were acceptable for assessment use. Chlorophyll a and total phosphorus data is suitable to assess water quality as VA Category 3C or 3D.                                   | Reference letter of February 11, 2010 to Dr. Thomas.  141 stations with 4,912 sample events collected during the six year assessment window. |  |
| Ambient Water Quality<br>Monitoring        | ALUS- Selenium   | Southern Appalachian Mountain Stewards  Matt Helper  www.samsva.org/   | QA/QC review by DEQ James Beckley, 804-698-4025  Selenium data meets proper collection protocols and is acceptable for assessment.   | 6 samples with 7 sample events from June to December 2011.   |  |
| Benthic<br>Macroinvertebrate<br>Monitoring | ALUS – Benthic<br>SWIM- E. coli  | StreamWatch  Anne Dunckel 434-249-5306  www.streamwatch.org  | QA/QC review by DEQ James Beckley, 804-698-4025.  After completion of a validation study and review of protocols, StreamWatch Adopted Stream Condition Index (ASCI) is equal to DEQ protocols. Benthic macroinvertebrate ASCI data is acceptable for assessment.  E. coli used for assessment of water quality as VA Category 3C or 3D | Reference letter February 11, 2010 to John Murphy.  111 stations with 1,257 sampling events collected over the six-year assessment window.   |  |

|  | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT                      |  |   |  |  |
|--|--|--|---|--|--|
| Data Set                                   | Parameters/Use Goals   | Organization/Contact   | QA/QC Review  | Comments   |  |
| Ambient Water Quality<br>Monitoring        | ALUS – Dissolved Oxygen, Nutrients, pH, Secchi Depth, Temperature SWIM- Fecal Bacteria | Timberlake Homeowners<br>Association                               | QA/QC review by DEQ James Beckley, 804-698-4025.  Upon review of sampling methods, calibration logs, equipment and use of DCLS for laboratory analysis, data is acceptable for assessment purposes. | Reference letter February 15, 2008 to Kenneth Bumgarner.  11 stations with 77 sample events from March to September 2007 |  |
| Ambient Water Quality<br>Monitoring        | SWIM- Fecal Bacteria   | Upper Tennessee River<br>Roundtable<br>Carol Doss                  | QA/QC review by DEQ James Beckley,<br>804-698-4025.  E. coli used for assessment of water   | Reference letter February 15, 2008 to Martha Chapman.  8 stations with 54 sample   |  |
|  |  | www.uppertnriver.org   | quality as VA Category 3C or 3D   | events collected from January to August 2007   |  |
| Benthic<br>Macroinvertebrate<br>Monitoring | ALUS – Benthic   | Virginia Save Our Streams Leah Miller 301-548-0150 x219            | QA/QC plan and SOPs for benthic macroinvertebrates. James Beckley, 804-698-4025   | Reference letter February 15,<br>2008 to Virginia Save Our<br>Streams.   |  |
|  |  | www.vasos.org  | Benthic macroinvertebrate data used for assessment of water quality as VA Category 3C or 3D.  | 351 stations with 1,696 sampling events collected over the six-year assessment window.                                   |  |
| Soil and Water Conser                      | vation Districts   |  |   |  |  |
| Ambient Water Quality<br>Monitoring        | ALUS- Dissolved Oxygen, pH, Temperature,   | John Marshall SWCD  Michael Trop                                   | QA/QC review by DEQ James Beckley, 804-698-4025.  | Reference letter February 15, 2008 to Chuck Hoysa.   |  |
|  | SWIM- Fecal Bacteria   | 540 347-3120  www.fauquiercounty.gov/government/departments/imswcd | Dissolved oxygen, E. coli, pH, and temperature used for assessment of water quality as VA Category 3C or 3D   | 35 stations with 1,677 sample events collected over the six-year assessment window.                                      |  |
| Ambient Water Quality<br>Monitoring        | SWIM- E. coli  | Lord Fairfax SWCD http://lfswcd.org                                | QA/QC review by DEQ James Beckley, 804-698-4025.  | Reference letter February 15, 2008 to Lisa Zirkle.   |  |
|  |  | intp.//iiowod.org  | E. coli used for assessment of water quality as VA Category 3C or 3D  | 4 stations with 109 sample events from January to October 2007.  |  |

|   | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT          |  |  |   |  |
|---|--|--|--|---|--|
| Data Set  | Parameters/Use Goals   | Organization/Contact   | QA/QC Review   | Comments  |  |
| Ambient Water Quality<br>Monitoring                       | SWIM- E. coil  | Prince William SWCD  Kelly Jimenez 703-594-3621  www.pwswcd.org                                      | QA/QC review by DEQ James Beckley,<br>804-698-4025.  E. coli used for assessment of water<br>quality as VA Category 3C or 3D | 12 stations with 139 sample events from May 2010 to March 2011.                                 |  |
| Ambient Water Quality<br>Monitoring                       | SWIM- E. coil  | Southside SWCD Patricia Mays 434-542-5342  | QA/QC review by DEQ James Beckley,<br>804-698-4025.  E. coli used for assessment of water<br>quality as VA Category 3C or 3D | 21 stations with 762 sample events from April 2009 to May 2012.                                 |  |
| Ambient Water Quality<br>Monitoring                       | SWIM- E. coil  | Thomas Jefferson SWCD  Emily Nelson 434-975-0224 <a href="http://tjswcd.org/">http://tjswcd.org/</a> | QA/QC review by DEQ James Beckley,<br>804-698-4025.  E. coli used for assessment of water<br>quality as VA Category 3C or 3D | 11 stations with 305 sample events from July 2009 to August 2012.                               |  |
| DEQ Chesapeake Bay  | Program  |  |  |   |  |
| Chesapeake Bay<br>Biological Monitoring                   | ALUS – Benthic B-IBI   | DEQ-CBP<br>Cindy Johnson<br>804-698-4385   | Documented QA/QC Plan<br>Cindy Johnson   | Approx. 21 mainstem and tributary fixed stations, 60 random stations yearly                     |  |
| Chesapeake Bay<br>Program Water Quality<br>Monitoring     | ALUS – Chlorophyll a<br>Dissolved Oxygen,<br>Nutrients, pH,<br>Temperature | DEQ-CBP<br>Cindy Johnson<br>804-698-4385   | Documented QA/QC Plan<br>Cindy Johnson   | 104 mainstem and tributary,<br>and non-tidal stations<br>sampled during the<br>assessment cycle |  |
| DEQ Ambient and Biol                                      | ogical Water Quality Moni  | toring Program   |  |   |  |
| Ambient Watershed<br>Monitoring Program –<br>Water Column | ALUS – Dissolved Oxygen, Nutrients, pH, Temperature SWIM – Fecal Bacteria  | DEQ-WQA<br>Roger Stewart<br>804 698-4449   | Documented QA/QC Plan James<br>Beckley (804) 698-4025  | Approximately 2500 stations monitored monthly or quarterly for entire 305(b) window.            |  |
| Biological Monitoring<br>Program                          | ALUS – Benthic,<br>Dissolved Oxygen, pH,<br>Temperature                    | DEQ-WQA<br>Richard Browder<br>804-698-4134   | Protocols and QA/QC Plan: Alex Barron 804-689-4119   | Approximately 120 stations sampled twice a year (spring & fall) by Regional Biologists          |  |

|  | WATER QUAL   | ITY DATA SETS CONSIDERE                              | ED FOR the 2014 305(b) ASSESSMENT   |  |
|--|--|--|---|--|
| Data Set   | Parameters/Use Goals   | Organization/Contact                                 | QA/QC Review  | Comments   |
| Statewide Lake<br>Monitoring                           | ALUS – Chlorophyll a,<br>Dissolved Oxygen,<br>Nutrients, pH, Sediment<br>Organics & Metals,<br>Temperature | DEQ-WQA<br>Richard Browder<br>804-698-4134           | Followed ambient watershed QA/QC procedures                                   | Approx. 100 significant lakes.<br>Regions sample priority<br>ranked lakes 3 seasons for<br>one year out of 5 on rotation |
| Harrie I Aland Diana                                   | SWIM – Fecal Bacteria  | DEC 14/04  | Destruction of OA/OO Plans Civil  | 00 441 444   |
| Harmful Algal Bloom<br>Monitoring Program              | ALUS- HAB SWIM- HAB  | DEQ- WQA<br>Cindy Johnson<br>804-698-4385            | Protocols and QA/QC Plan: Cindy<br>Johnson 804-698-4385                       | 29 stations sampled  |
| DEQ Water Quality Sta                                  | andards Program  |  |   |  |
| Statewide Fish Tissue<br>Program                       | FISH – Fish Tissue<br>Analysis   | DEQ-WQS<br>Alex Barron<br>804-689-4119               | Protocols and QA/QC Plan: Alex Barron 804-689-4119                            | 37 stations sampled  |
| Statewide Sediment<br>Contamination<br>Program         | ALUS – Sediment<br>Organics, Sediment<br>Metals  | DEQ-WQS<br>Alex Barron<br>804-689-4119               | Protocols and QA/QC Plan: Alex Barron 804-689-4119                            | Approximately 40-80 selected stations sampled each year.   |
| James River<br>Monitoring of Fish<br>Tissue for Kepone | ALUS – Kepone  | DEQ-WQS<br>Alex Barron<br>804-689-4119               | Protocols for fish sampling Kepone verified by VIMS: Alex Barron 804-698-4119 | Five stations in James River sampled once every two years.   |
| Wadeable Stream<br>Nutrient Criteria pilot<br>Project  | ALUS- Nutrients  | DEQ-WQS<br>David Whitehurst<br>804-698-4121          | Followed ambient watershed QA/QC procedures                                   | 46 stations  |
| <b>DEQ Special Studies</b>                             |  |  |   |  |
| Ammonia Special<br>Study                               | ALUS- Ammonia  | BRRO-BRRO-Lynchburg<br>Greg Anderson<br>540-562-6871 | Followed ambient QA/QC procedures   | 7 stations   |
| Buffalo River TMDL                                     | ALUS- Benthic SWIM- Fecal Bacteria   | BRRO-BRRO-Lynchburg<br>Greg Anderson<br>540-562-6871 | Followed ambient and benthic QA/QC procedures                                 | 13 stations  |
| North Creek TMDL                                       | ALUS- Benthic  | BRRO-BRRO-Lynchburg<br>Greg Anderson<br>540-562-6871 | Followed benthic QA/QC procedures   | 4 stations   |
| Pedlar River E. coli<br>TMDL Study                     | SWIM- Fecal Bacteria   | BRRO-BRRO-Lynchburg<br>Greg Anderson<br>540-562-6871 | Followed benthic QA/QC procedures   | 3 stations   |

|   | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |  |   |             |  |
|---|---|--|---|-------------|--|
| Data Set                                      | Parameters/Use Goals  | Organization/Contact                                 | QA/QC Review                                  | Comments    |  |
| Roanoke River PCB study                       | ALUS- PCB<br>FISH- PCB  | BRRO-BRRO-Lynchburg<br>Greg Anderson<br>540-562-6871 | Followed ambient QA/QC procedures             | 19 stations |  |
| Blackwater River<br>(Franklin County)<br>TMDL | ALUS- Dissolved<br>Oxygen, Nutrients, pH,<br>Temperature          | DEQ- BRRO-Roanoke<br>Greg Anderson<br>540-562-6871   | Followed ambient QA/QC procedures             | 16 stations |  |
| Jackson River TMDL                            | SWIM- Fecal Bacteria ALUS- Benthic                                | DEQ- BRRO-Roanoke<br>Greg Anderson<br>540-562-6871   | Followed benthic QA/QC procedures             | 15 stations |  |
| Looney Creek TMDL                             | SWIM- Fecal Bacteria  | DEQ- BRRO-Roanoke<br>Greg Anderson<br>540-562-6871   | Followed ambient QA/QC procedures             | 1 station   |  |
| New River Valley<br>TMDL                      | ALUS- Benthic SWIM- Fecal Bacteria FISH- PCB's                    | DEQ- BRRO-Roanoke<br>Greg Anderson<br>540-562-6871   | Followed ambient and benthic QA/QC procedures | 13 stations |  |
| Pigg River Watershed<br>TMDL Study            | SWIM- Fecal Bacteria  | DEQ- BRRO-Roanoke<br>Greg Anderson<br>540-562-6871   | Followed ambient QA/QC procedures             | 9 stations  |  |
| Roanoke River<br>Watershed TMDL               | ALUS- Temperature, SWIM- Fecal Bacteria                           | DEQ- BRRO-Roanoke<br>Greg Anderson<br>540-562-6871   | Followed ambient QA/QC procedures             | 10 stations |  |
| South Mayo River<br>TMDL                      | ALUS- Dissolved Oxygen, pH, Temperature SWIM - Fecal Bacteria     | DEQ- BRRO-Roanoke<br>Greg Anderson<br>540-562-6871   | Followed ambient QA/QC procedures             | 3 stations  |  |
| Stroubles Creek TMDL                          | ALUS- Benthic, Dissolved<br>Oxygen, pH, Temperature               | DEQ- BRRO-Roanoke<br>Greg Anderson<br>540-562-6871   | Followed ambient and benthic QA/QC procedures | 3 stations  |  |
| Accotink Creek TMDL                           | ALUS- Benthic   | DEQ- NRO<br>Bryant Thomas<br>703-583-3843            | Followed benthic QA/QC procedures             | 3 stations  |  |
| Broad Run Benthic<br>Stressor TMDL            | ALUS- Dissolved Oxygen, pH, Temperature, Metals, Nutrients        | DEQ- NRO<br>Bryant Thomas<br>703-583-3843            | Followed ambient QA/QC procedures             | 6 stations  |  |

|   | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |   |   |             |  |
|---|---|---|---|-------------|--|
| Data Set  | Parameters/Use Goals  | Organization/Contact                      | QA/QC Review                                  | Comments    |  |
| Catoctin Creek TMDL<br>Implementation Plan<br>Monitoring                | SWIM- Fecal Bacteria  | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient QA/QC procedures             | 3 stations  |  |
| Difficult Run TMDL  | ALUS- Benthic SWIM- Fecal Bacteria                                | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient and benthic QA/QC procedures | 8 stations  |  |
| Goldmine Creek TMDL   | ALUS- Dissolved Oxygen  | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient QA/QC procedures             | 1 station   |  |
| Lower Rapidan River<br>TMDL   | SWIM- Fecal Bacteria  | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient QA/QC procedures             | 6 stations  |  |
| Massaponax Creek<br>Special Study                                       | ALUS- pH SWIM- Fecal Bacteria                                     | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient QA/QC procedures             | 6 stations  |  |
| Potomac River Shallow<br>Water Tidal<br>Embayment Monitoring<br>Program | ALUS- Dissolved<br>Oxygen, pH, Temperature                        | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient QA/QC procedures             | 13 stations |  |
| Rappahannock River<br>Bacteria TMDL Study                               | SWIM- Fecal Bacteria  | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient QA/QC procedures             | 2 stations  |  |
| Rush River Benthic<br>and Water Chemistry<br>Special Study              | ALUS- Benthic, Dissolved Oxygen, pH, Temperature                  | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient and benthic QA/QC procedures | 4 stations  |  |
| Shallow Water<br>Continuous Monitoring<br>in Tidal Potomac              | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient QA/QC procedures             | 4 stations  |  |
| South and North Fork<br>Catoctin Creek TMDL                             | ALUS- Metals, Nutrients,<br>Solids<br>SWIM- Fecal Bacteria        | DEQ- NRO<br>Jeff Talbott<br>703-583-3902  | Followed ambient QA/QC procedures             | 12 stations |  |
| Terry's Run Special<br>Study  | ALUS- Dissolved Oxygen  | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient QA/QC procedures             | 4 stations  |  |
| Thumb Run TMDL<br>Implementation Plan<br>Monitoring                     | SWIM- Fecal Bacteria  | DEQ- NRO<br>Bryant Thomas<br>703-583-3843 | Followed ambient QA/QC procedures             | 1 station   |  |

|  | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |  |                                   |             |
|--|---|--|-----------------------------------|-------------|
| Data Set   | Parameters/Use Goals  | Organization/Contact                     | QA/QC Review                      | Comments    |
| Tripps and Holmes<br>Run TMDL                          | ALUS- Metals, Nutrients,<br>Solids<br>SWIM- Fecal Bacteria        | DEQ- NRO<br>Jeff Talbott<br>703-583-3902 | Followed ambient QA/QC procedures | 2 stations  |
| Appomattox- Hopewell<br>Sediment Special<br>Study      | ALUS- Metals, Organic<br>Compounds,                               | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed ambient QA/QC procedures | 3 stations  |
| Beaverdam Creek<br>TMDL and Class VII<br>Special Study | ALUS- Dissolved Oxygen, pH, Temperature SWIM- Fecal Bacteria      | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed ambient QA/QC procedures | 7 stations  |
| Blackwater and<br>Warwick Swamp TMDL                   | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed ambient QA/QC procedures | 32 stations |
| Blackwater River<br>(Sussex County) TMDL               | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed ambient QA/QC procedures | 16 stations |
| Bridges Creek TMDL                                     | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed ambient QA/QC procedures | 6 stations  |
| Buckskin Creek TMDL                                    | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed ambient QA/QC procedures | 10 stations |
| Bush Mill Stream Class<br>VII Swamp Water<br>Study     | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed ambient QA/QC procedures | 5 stations  |
| Chickahominy River<br>Mercury TMDL                     | ALUS- Mercury   | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed ambient QA/QC procedures | 11 stations |
| Chickahominy River<br>Unnamed Tributary<br>TMDL        | ALUS- Benthic   | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed benthic QA/QC procedures | 7 stations  |
| Coan Mill Stream<br>TMDL                               | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021  | Followed ambient QA/QC procedures | 5 stations  |
| Collins Run TMDL                                       | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling                  | Followed ambient QA/QC procedures | 20 stations |

|  | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |   |   |             |  |
|--|---|---|---|-------------|--|
| Data Set   | Parameters/Use Goals  | Organization/Contact                    | QA/QC Review                                  | Comments    |  |
|  |   | 804-527-5021                            |   |             |  |
| Crump Creek TMDL   | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 6 stations  |  |
| Diascund Creek Class<br>VII Swamp Water<br>Study                   | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 12 stations |  |
| Dickeys Swamp Class<br>VII Swamp Water<br>Study                    | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 9 stations  |  |
| Elmwood Creek<br>Natural pH<br>Assessment                          | ALUS- Dissolved Oxygen,<br>pH, Temperature,<br>Nutrients          | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 4 stations  |  |
| Farmers Hall Creek<br>Natural pH<br>Assessment                     | ALUS- Dissolved Oxygen, pH, Temperature,                          | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 1 station   |  |
| Flat, Nibbs, Deep, and<br>West Creeks TMDL<br>Implementation Plan  | ALUS- Benthic SWIM- Fecal Bacteria                                | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient and benthic QA/QC procedures | 16 stations |  |
| Fox Mill Run TMDL<br>and Class VII Swamp<br>Water Study            | ALUS- Dissolved Oxygen, pH, Temperature SWIM- Fecal Bacteria      | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 8 stations  |  |
| Hornquarter Swamp<br>Class VII Swamp<br>Water Study                | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 3 stations  |  |
| Hoskins Creek TMDL   | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 11 stations |  |
| James River Bacterial TMDL Study                                   | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 70 stations |  |
| James and York River<br>tributaries Class VII<br>Swamp Water Study | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures             | 12 stations |  |
| Little Wicomico River TMDL   | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling                 | Followed ambient QA/QC procedures             | 2 stations  |  |

|  | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |   |                                   |             |  |
|--|---|---|-----------------------------------|-------------|--|
| Data Set   | Parameters/Use Goals  | Organization/Contact                    | QA/QC Review                      | Comments    |  |
|  |   | 804-527-5021                            |                                   |             |  |
| Masons Mill Class VII<br>Swamp Water Study           | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 1 station   |  |
| Mattaponi River TMDL                                 | FISH- Mercury   | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 8 stations  |  |
| Meherrin River and<br>Great Creek TMDL               | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 36 stations |  |
| Mill Creek<br>(Northumberland<br>County) TMDL        | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 2 stations  |  |
| Monquin Creek Class<br>VII Swamp Water<br>Study      | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 17 stations |  |
| Monroe Creek Class<br>VII Swamp Water<br>Study       | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 14 stations |  |
| Mud Creek Class VII<br>Swamp Water Study             | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 1 station   |  |
| Pamunkey River<br>Bacteria TMDL                      | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 2 stations  |  |
| Pamunkey River<br>Mercury TMDL                       | FISH- Mercury   | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 9 stations  |  |
| Pamunkey River<br>Unnamed Tributary<br>Bacteria TMDL | SWIM- Fecal Bacteria  | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 2 stations  |  |
| Popes Creek Class VII<br>Swamp Water Study           | ALUS- Dissolved Oxygen, pH, Temperature                           | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 15 stations |  |
| Rappahannock River<br>Mercury TMDL                   | FISH- Mercury   | DEQ- PRO<br>Mark Alling<br>804-527-5021 | Followed ambient QA/QC procedures | 9 stations  |  |

Final 2014

| WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |  |   |   |             |
|---|--|---|---|-------------|
| Data Set  | Parameters/Use Goals                         | Organization/Contact                        | QA/QC Review                                  | Comments    |
| Rumley Marsh Class<br>VII Swamp Water<br>Study                    | ALUS- Dissolved Oxygen, pH, Temperature      | DEQ- PRO<br>Mark Alling<br>804-527-5021     | Followed ambient QA/QC procedures             | 7 stations  |
| Severn River TMDL   | SWIM- Fecal Bacteria                         | DEQ- PRO<br>Mark Alling<br>804-527-5021     | Followed ambient QA/QC procedures             | 3 stations  |
| Spring Branch TMDL  | ALUS- Benthic                                | DEQ- PRO<br>Mark Alling<br>804-527-5021     | Followed benthic QA/QC procedures             | 10 stations |
| Stony Run TMDL  | SWIM- Fecal Bacteria                         | DEQ- PRO<br>Mark Alling<br>804-527-5021     | Followed ambient QA/QC procedures             | 15 stations |
| Sullens Creek Class<br>VII Swamp Water<br>Study                   | ALUS- Dissolved Oxygen, pH, Temperature      | DEQ- PRO<br>Mark Alling<br>804-527-5021     | Followed ambient QA/QC procedures             | 6 stations  |
| Tastine Swamp TMDL  | SWIM- Fecal Bacteria                         | DEQ- PRO<br>Mark Alling<br>804-527-5021     | Followed ambient QA/QC procedures             | 17 stations |
| Thompson Branch<br>Class VII Swamp<br>Water Study                 | ALUS- Dissolved Oxygen, pH, Temperature      | DEQ- PRO<br>Mark Alling<br>804-527-5021     | Followed ambient QA/QC procedures             | 1 station   |
| Totuskey Creek TMDL   | SWIM- Fecal Bacteria                         | DEQ- PRO<br>Mark Alling<br>804-527-5021     | Followed ambient QA/QC procedures             | 26 stations |
| Bluestone River TMDL  | ALUS- Benthic FISH- PCB SWIM- Fecal Bacteria | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed ambient and benthic QA/QC procedures | 4 stations  |
| Bull Creek TMDL   | ALUS- Benthic                                | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed benthic QA/QC procedures             | 1 station   |
| Clinch River Basin<br>Benthic Survey                              | ALUS- Benthic                                | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed ambient QA/QC procedures             | 36 stations |
| Clinch River TMDL   | SWIM- Fecal Bacteria                         | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed ambient QA/QC procedures             | 7 stations  |

|   | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT                                  |   |   |             |  |
|---|--|---|---|-------------|--|
| Data Set  | Parameters/Use Goals   | Organization/Contact                        | QA/QC Review                                  | Comments    |  |
| Clinch River Dominion<br>Power Mercury Study          | ALUS- Mercury  | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed ambient QA/QC procedures             | 5 stations  |  |
| Clinch River (Tazewell County) TMDL                   | ALUS- Benthic  | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed benthic QA/QC procedures             | 6 stations  |  |
| Clinch and Powell<br>River Clean Rivers<br>Initiative | ALUS- Dissolved Oxygen,<br>pH, Temperature, Metals,<br>Nutrients                                   | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed ambient QA/QC procedures             | 1 station   |  |
| Guest River TMDL                                      | ALUS- Benthic SWIM- Fecal Bacteria   | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed ambient and benthic QA/QC procedures | 1 station   |  |
| North Fork Holston and Tributaries TMDL               | SWIM- Fecal Bacteria   | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed ambient QA/QC procedures             | 12 stations |  |
| Pound River TMDL                                      | ALUS- Benthic  | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed benthic QA/QC procedures             | 4 stations  |  |
| Powell River TMDL                                     | ALUS- Benthic SWIM- Fecal Bacteria   | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed ambient and benthic QA/QC procedures | 12 stations |  |
| Three Creeks TMDL                                     | SWIM- Fecal Bacteria   | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed ambient QA/QC procedures             | 3 stations  |  |
| Wise County Straight Pipe Study                       | ALUS- Benthic SWIM – Fecal Bacteria  | DEQ- SWRO<br>Stewart Phipps<br>276-676-4839 | Followed benthic QA/QC procedures             | 3 stations  |  |
| Harmful Algal Bloom<br>Monitoring                     | ALUS- Chlorophyll a,<br>Dissolved Oxygen,<br>Nutrients, pH,<br>Temperature<br>SWIM- Fecal Bacteria | DEQ- TRO<br>Roger Everton<br>757-518-2150   | Followed ambient watershed QA/QC procedures   | 21 stations |  |
| Lafayette River<br>Bacteria Special Study             | SWIM- Fecal Bacteria   | DEQ- TRO<br>Roger Everton<br>757-518-2150   | Followed ambient watershed QA/QC procedures   | 16 stations |  |

|   | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT       |   |   |             |  |
|---|---|---|---|-------------|--|
| Data Set  | Parameters/Use Goals  | Organization/Contact                    | QA/QC Review                                  | Comments    |  |
| Bacteria Soure<br>Tracking Study                                  | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 2 stations  |  |
| Cedar Creek TMDL<br>Study   | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 8 stations  |  |
| Cooks Creek and<br>Blacks Run TMDL                                | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 6 stations  |  |
| Crooked Run TMDL  | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 11 stations |  |
| Hawksbill and Mill<br>Creek TMDL                                  | ALUS- Dissolved Oxygen, Nutrients, pH, Temperature SWIM- Fecal Bacteria | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 5 stations  |  |
| Hays and Walker<br>Creek TMDL                                     | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 3 stations  |  |
| Hogue Creek TMDL  | ALUS- Benthic,<br>Temperature<br>SWIM- Fecal Bacteria                   | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient and benthic QA/QC procedures | 2 stations  |  |
| Holmans Creek TMDL<br>Implementation Plan<br>Monitoring           | ALUS- Benthic SWIM- Fecal Bacteria                                      | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient and benthic QA/QC procedures | 1 station   |  |
| Laurel, Fridley Run,<br>Liddle Stoney Creek<br>Benthic TMDL Study | ALUS- Benthic   | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed benthic QA/QC procedures             | 4 stations  |  |
| Little Calfpasture River TMDL                                     | ALUS- Benthic   | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed benthic QA/QC procedures             | 1 stations  |  |
| Long Meadow and<br>Turley Creek TMDL                              | ALUS- Benthic   | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed benthic QA/QC procedures             | 6 stations  |  |

|   | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |   |   |             |  |
|---|---|---|---|-------------|--|
| Data Set  | Parameters/Use Goals  | Organization/Contact                    | QA/QC Review                                  | Comments    |  |
| Maury River TMDL  | ALUS- Benthic FISH- PCB   | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient and benthic QA/QC procedures | 1 station   |  |
| Meadow Creek and<br>Shencks Branch TMDL   | ALUS- Benthic   | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed benthic QA/QC procedures             | 18 stations |  |
| Moores Creek TMDL   | ALUS- Benthic SWIM- Fecal Bacteria                                | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient and benthic QA/QC procedures | 1 station   |  |
| Mossy, Long Glade,<br>Naked, Middle,<br>Moffetts, Upper South,<br>Christians, Polecat<br>Creeks Bacteria TMDL | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 14 stations |  |
| Naked Creek TMDL  | ALUS- Benthic   | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed benthic QA/QC procedures             | 2 stations  |  |
| North River Tributaries TMDL  | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 5 stations  |  |
| Opequon Creek and<br>Abrams Creek TMDL<br>Implementation Plan   | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 3 stations  |  |
| Rivanna River TMDL  | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 4 stations  |  |
| Rivanna River and<br>North Fork Rivanna<br>River TMDL   | ALUS- Benthic   | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed benthic QA/QC procedures             | 7 stations  |  |
| Rockfish Bacteria and Benthic TMDL Study  | ALUS- Benthic SWIM- Fecal Bacteria                                | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient and benthic QA/QC procedures | 4 stations  |  |
| Shenandoah Fish Kill<br>Task Force Study  | ALUS- Unknown   | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 45 stations |  |
| Smith Creek TMDL  | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815 | Followed ambient QA/QC procedures             | 4 stations  |  |

|   | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT   |  |   |  |  |
|---|---|--|---|--|--|
| Data Set  | Parameters/Use Goals  | Organization/Contact                     | QA/QC Review  | Comments   |  |
| Smith River Phased<br>Benthic TMDL  | ALUS- Benthic   | DEQ- VRO<br>Donald Kain<br>540-574-7815  | Followed ambient QA/QC procedures   | 8 stations   |  |
| Smith Creek, Mountain<br>Run, Fridley Run<br>TMDL   | ALUS- Benthic   | DEQ- VRO<br>Donald Kain<br>540-574-7815  | Followed benthic QA/QC procedures   | 4 stations   |  |
| South River and South<br>Fork Shenandoah<br>TMDL  | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815  | Followed ambient QA/QC procedures   | 13 stations  |  |
| South River Sediment<br>Study   | ALUS- Water Clarity   | DEQ- VRO<br>Donald Kain<br>540-574-7815  | Followed ambient QA/QC procedures   | 39 stations  |  |
| South River and<br>Shenandoah River<br>Smallmouth Bass<br>Mercury Special Study                             | FISH- Mercury   | DEQ- VRO<br>Donald Kain<br>540-574-7815  | Followed ambient QA/QC procedures   | 14 stations  |  |
| Spout Run TMDL  | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815  | Followed ambient QA/QC procedures   | 10 stations  |  |
| Tye River TMDL  | SWIM- Fecal Bacteria  | DEQ- VRO<br>Donald Kain<br>540-574-7815  | Followed ambient QA/QC procedures   | 3 stations   |  |
| West Straight Creek<br>TMDL   | ALUS- Benthic, Dissolved<br>Oxygen, Nutrients,<br>Metals, Oxygen Demand,<br>pH, Solids, Temperature<br>SWIM- Fecal Bacteria                   | DEQ- VRO<br>Donald Kain<br>540-574-7815  | Followed ambient and benthic QA/QC procedures   | 5 stations   |  |
| Estuarine Probabilistic<br>Monitoring Program<br>(minor Chesapeake<br>Bay and coastal tidal<br>tributaries) | ALUS- Chlorophyll a, Dissolved Oxygen, Nutrients, pH, Sediment Triad (chemistry, toxicity, benthos), Temperature  FISH- Fish Tissue Chemistry | DEQ-WQA<br>Donald Smith<br>804-698-4429. | Protocols and QA/QC Plan: James<br>Beckley 804-698-4025  QA/QC of field audits, at DCLS<br>laboratories and of locally analyzed<br>results. | 260 sample stations during the six year window.  Assessed cumulative parameter data, such as sediment and tissue chemistry, sediment toxicity and benthic community structure using a 'weight of evidence' approach. |  |

Final 2014

| WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT                                      |  |   |   |   |
|--|--|---|---|---|
| Data Set   | Parameters/Use Goals   | Organization/Contact                            | QA/QC Review  | Comments  |
|  |  |   |   |   |
| Near Shore Oceanic<br>Survey   | ALUS Dissolved Oxygen,<br>Nutrients, pH, Sediment<br>Triad (chemistry, toxicity,<br>benthos), Temperature,<br>SWIM- Fecal Bacteria | DEQ-WQA<br>Donald Smith<br>804-698-4429         | Protocols and QA/QC Plan: James<br>Beckley 804-698-4025  QA/QC of field audits, at DCLS<br>laboratories and of locally analyzed<br>results. | 21 stations sampled once during August 2010.  Samples collected off the Eastern Virginia shore using an EPA research vessel. Samples analyzed at DCLS and EPA contracted laboratories |
| Elizabeth and Upper<br>James, Tidal James,<br>New River, and<br>Mountain Run PCB<br>TMDL Special Study | FISH- PCB  | DEQ- WQP<br>Mark Richards<br>804-698-4392       | Followed ambient QA/QC procedures   | 86 stations   |
| Middle Roanoke River PCB study   | FISH- PCB  | DEQ- WQP<br>Mark Richards<br>804-698-4392       | Followed ambient QA/QC procedures   | 7 stations  |
| PCB Fish Consumption<br>Study  | FISH- PCB  | DEQ- WQP<br>Mark Richards<br>804-698-4392       | Followed ambient QA/QC procedures   | 50 stations   |
| Publically Owned<br>Treatment Works<br>Hardness Addition<br>Study                                      | ALUS- Dissolved Oxygen, pH, Temperature, Metals  | DEQ- WMA<br>Roger Stewart<br>804-698-4449       | Followed ambient QA/QC procedures   | 6 stations  |
| Rappahannock and<br>York River PCB GMU<br>Study  | ALUS- Dissolved Oxygen, pH, Temperature, PCB   | DEQ- WQP<br>Mark Richards<br>804-698-4392       | Followed ambient QA/QC procedures   | 11 stations   |
| Non-Citizen, Non-Agen  | cy Monitoring  |   |   |   |
| Ambient Water Quality<br>Monitoring  | ALUS- Copper   | Appalachian Electric Power<br>Jonathan Magalski | QA/QC review by DEQ James Beckley 804-698-4025.   | 10 stations with 60 sample events from June 2007 to September 2009  |
|  |  | 614-716-2240<br>www.smithmtn.com/AquaticV       | Dissolved copper analysis is acceptable for assessment use.   |   |
|  |  | egetation/Default.aspx                          |   |   |

|  | WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT                |   |   |  |  |
|--|--|---|---|--|--|
| Data Set   | Parameters/Use Goals   | Organization/Contact  | QA/QC Review  | Comments   |  |
| Coal Fields Benthic<br>Macroinvertebrate<br>Sampling         | ALUS- Benthic  | Appalachian Technical<br>Services Inc.<br>Travis N. Lowe<br>276-328-4200<br>http://www.atsone.com/                | QA/QC review by DEQ James Beckley 804-698-4025.  Review of sampling and sorting protocol follows DEQ procedures. Data acceptable for assessment use.  | 155 stations with 266 sample<br>events from April to<br>November 2011                              |  |
| Reservoir Ambient<br>Water Quality<br>Monitoring             | ALUS- Dissolved Oxygen,<br>pH, Temperature,<br>Nutrients                         | City of Norfolk Department of Utilities David S. Rosenthal 757-441-5774 x 253 www.norfolk.gov/utilities/resources | QA/QC review by DEQ James Beckley 804-698-4025.  Review of procedures and data is acceptable for assessment use   | 18 stations with 7,557 sample events (including depth profiles) from January 2007 to December 2012 |  |
| Lower Nansemond<br>River Ambient Water<br>Quality Monitoring | ALUS- Dissolved Oxygen,<br>pH, Temperature,<br>Nutrients<br>SWIM- Fecal Bacteria | City of Suffolk Department of<br>Public Works<br>Edward G. Heide<br>757-514-7675<br>www.suffolkya.us              | QA/QC review by DEQ James Beckley 804-698-4025.  Review of procedures and data is acceptable for assessment use   | 18 stations with 320 sample<br>events from April 2011 to<br>November 2012                          |  |
| Ambient Water Quality<br>Monitoring                          | ALUS- Chloride, pH   | Cumberland Resources<br>Corporation<br>Brooks Smith<br>804-787-8086   | QA/QC review by DEQ James Beckley 804-698-4025.  Upon review of sampling procedures and laboratory protocols, chloride and pH data is accepted for assessment use.  | 2 stations with 46 sample events collected from January 20085 to October 2010.                     |  |
| Virginia State Parks<br>Beach Monitoring<br>Program          | SWIM- Fecal Bacteria   | DCR Beach program<br>Theresa Duffey<br>804-786-9025   | QA/QC review by DEQ James Beckley 804-698-4025.  Upon review of sampling procedures and laboratory protocols, data is accepted for assessment use.  | 42 stations with 1049 sampling events from May 2007 to September 2012.                             |  |
| Ambient Water Quality<br>Monitoring                          | ALUS- Dissolved Oxygen, Nutrients, pH, Temperature SWIM- Fecal Bacteria          | Edge Valley Preservation LLC Leif Riddervold 434-295-3700   | QA/QC review by DEQ James Beckley 804-698-4025.  After review of sampling and laboratory protocols, nutrient and E. coli data is acceptable for assessment.  Dissolved oxygen, pH, and temperature data acceptable for VA Category 3C and 3D determination. | 8 sample stations with 48 sample events collected from March 2007 to February 2008.                |  |

| WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |  |   |   |  |  |  |
|---|--|---|---|--|--|--|
| Parameters/Use Goals  | Organization/Contact   | QA/QC Review  | Comments  |  |  |  |
| SWIM- Fecal Bacteria  | James City County<br>Stormwater Division   | QA/QC review by DEQ James Beckley 804-698-4025.   | 12 stations with 140 sample events collected from April 2009 to March 2010              |  |  |  |
|   | Suzanne Dyba<br>757-259-1460   | E. coli used for assessment of water quality as VA Category 3C or 3D  |   |  |  |  |
|   | www.jccegov.com/stormwater   |   |   |  |  |  |
| ALUS- Dissolved Oxygen,<br>Nutrients, pH,<br>Temperature          | National Park service-<br>Assateague Island National<br>Seashore   | 804-698-4025.   | 6 stations with 423 sample events from January 2007 to December 2009                    |  |  |  |
|   | Brian Sturgis<br>410-629-6075  | Dissolved oxygen, nutrients, pH, and temperature accepted for assessment use.   |   |  |  |  |
| ALUS- Dissolved Oxygen, pH, Temperature                           | National Park Service- Mid<br>Atlantic Monitoring Network  | QA/QC review by DEQ James Beckley 804-698-4025.   | 38 stations with 730 sample events collected from October 2008 to December 2012.        |  |  |  |
|   | Jim Comiskey<br>540-654-5328   | Data collected for dissolved oxygen, pH, and temperature using DEQ calibration protocols accepted for assessment use.   |   |  |  |  |
|   | http://science.nature.nps.gov/im/units/midn/   |   |   |  |  |  |
| ALUS- Dissolved Oxygen, pH, Temperature                           | National Park Service<br>Northeast Coastal and Barrier<br>Network  | QA/QC review by DEQ James Beckley 804-698-4025.   | 102 stations with 653 sample events from August 2008 to August 2011.                    |  |  |  |
|   | http://science.nature.nps.gov/im/units/ncbn/   | Data collected for dissolved oxygen, pH, and temperature using DEQ calibration protocols accepted for assessment use.   |   |  |  |  |
| ALUS- Dissolved Oxygen, pH, Temperature                           | Occoquan Watershed<br>Monitoring Laboratory  | QA/QC review by DEQ James Beckley 804-698-4025.   | Reference letter February 15, 2008 to Harry Post.                                       |  |  |  |
|   | Harry Post<br>703-361-5606   | Sample collection protocols, analytical methods, and laboratory reviewed.  Dissolved oxygen, pH, an temperature   | 8 stations with 5,314 sample events collected during six years of the assessment window |  |  |  |
|   | Parameters/Use Goals  SWIM- Fecal Bacteria  ALUS- Dissolved Oxygen, Nutrients, pH, Temperature  ALUS- Dissolved Oxygen, pH, Temperature  ALUS- Dissolved Oxygen, pH, Temperature | Parameters/Use Goals  SWIM- Fecal Bacteria  SWIM- Fecal Bacteria  James City County Stormwater Division  Suzanne Dyba 757-259-1460  www.jccegov.com/stormwater  ALUS- Dissolved Oxygen, Nutrients, pH, Temperature  ALUS- Dissolved Oxygen, pH, Temperature | Parameters/Use Goals   Organization/Contact   QA/QC Review                              |  |  |  |

| WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |  |  |  |   |  |  |
|---|--|--|--|---|--|--|
| Data Set  | Parameters/Use Goals   | Organization/Contact   | QA/QC Review   | Comments  |  |  |
| Ambient Water Quality<br>Monitoring                               | SWIM- Fecal Bacteria   | Page County Department of<br>Environmental Services          | QA/QC review by DEQ James Beckley 804-698-4025.  | Reference letter February 15,<br>2008 to Page County<br>Department of Environmental |  |  |
|   |  | www.pagecounty.virginia.gov                                  | E. coli used for assessment of water quality as VA Category 3C or 3D   | Services. 21 stations with 341  |  |  |
|   |  |  |  | observations collected from January 2007 to February 2010.                          |  |  |
| Ambient Lake<br>Monitoring  | ALUS- Dissolved Oxygen,<br>pH, Temperature, Secchi<br>Depth  | Pocahontas State Park  Irene Frentz                          | QA/QC review by DEQ James Beckley 804-698-4025.  | 1 station with 62 sample events from April 2011 to October 2012.                    |  |  |
|   | ·  | http://www.dcr.virginia.gov/sta<br>te-parks/pocahontas.shtml | Dissolved Oxygen, pH, and temperature used for assessment of water quality as VA Category 3C or 3D                       |   |  |  |
| Routine Reservoir monitoring                                      | SWIM- Fecal Bacteria  ALUS- Dissolved Oxygen,                | Tennessee Valley Authority Susan Malone                      | QA/QC review by DEQ James Beckley 804-698-4025.  | 3 stations with 597 observations from April 2007 to October 2010.                   |  |  |
|   | pH, Temperature, Nutrients, Chlorophyll, Metals              | 423-876-4179   | E. coli data is acceptable for assessment purposes. Field parameters, nutrients, and metals used for assessment of water |   |  |  |
|   | Metals   | www.tva.gov/environment/water                                | quality as VA Category 3C or 3D  |   |  |  |
| Benthic<br>Macroinvertebrate                                      | ALUS-Benthic Monitoring                                      | United States Forest Service                                 | QA/QC review by DEQ James Beckley 804-698-4025.  | 139 stations with 1,488 biological sample events                                    |  |  |
| Monitoring  |  | Dawn Kirk<br>540-291-1759<br>www.fs.fed.us                   | ALUS method comparable to DEQ protocols.   | collected from April 2007 to<br>May 2012.   |  |  |
| Ambient Water Quality<br>Monitoring                               | ALUS- Dissolved Oxygen,<br>Metals, PCB's, pH,<br>Temperature | United States Geological<br>Survey                           | Standard methods are used. Data included in assessment for parameters that have Virginia Water Quality                   | 127 ambient stations with 1,526 sample events.                                      |  |  |
|   | F  | Kenneth E. Hyer<br>804-261-2636                              | Standards  | 15 continuous monitoring stations with 346,575 sample events collected during the   |  |  |
|   |  | http://va.water.usgs.gov                                     |  | six years of the assessment window.   |  |  |

| WATER QUALITY DATA SETS CONSIDERED FOR the 2014 305(b) ASSESSMENT |                        |                               |   |                               |  |  |
|---|------------------------|-------------------------------|---|-------------------------------|--|--|
| Data Set  | Parameters/Use Goals   | Organization/Contact          | QA/QC Review                                | Comments                      |  |  |
| Ambient Water Quality   | SWIM- Fecal Bacteria   | VDH Beach Monitoring          | Methods for sampling Enterococcus are       | 56 stations with 5,652        |  |  |
| Monitoring  |                        | Program                       | consistent with DEQ sampling and            | bacteria samples collected    |  |  |
|   |                        |                               | testing procedures. Bacteria data is        | from May to October during    |  |  |
|   |                        | www.vdh.virginia.gov/Epidemio | acceptable for assessment purposes.         | the six year assessment       |  |  |
|   |                        | logy/DEE/BeachMonitoring/     |   | window.                       |  |  |
| Ambient Water Quality   | ALUS- Dissolved        | Wolf Creek Water              | QA/QC review by DEQ James Beckley           | Reference letter February 15, |  |  |
| Monitoring  | Oxygen, Nutrients, pH, | Reclamation Facility          | 804-698-4025.                               | 2008 to Mike Maiden.          |  |  |
|   | Temperature            |                               |   |                               |  |  |
|   |                        | Connie Duncan                 | Dissolved oxygen, pH, temperature,          | 1 station with 56 sample      |  |  |
|   | SWIM- Fecal Bacteria   |                               | nitrate, total phosphorus, and E. coli data | events collected during the   |  |  |
|   |                        |                               | is acceptable for assessment use.           | six year assessment window.   |  |  |